

THAT WHICH IS CLAIMED IS:

1. A method for storing biometric information on a token comprising at least a magnetic storage medium, the method comprising:

capturing a biometric image and generating
5 biometric data therefrom;

obtaining a personal identification number (PIN); and

storing the biometric data and the PIN on the magnetic storage medium of the token.
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2. The method according to Claim 1, wherein the biometric information is based upon a fingerprint; and wherein capturing the biometric image comprises capturing the biometric image using a fingerprint
5 sensor.

3. The method according to Claim 1, wherein obtaining the PIN comprises requesting an authorized token user to provide the PIN.

4. The method according to Claim 1, wherein the token comprises a card corresponding to the ANSI/ISO/IEC 7810 standard and the magnetic storage medium comprises a magnetic stripe having three
5 tracks in accordance with the ANSI/ISO/IEC 7810 standard; and wherein storing the biometric data and PIN comprises storing the biometric data and PIN on the third track of the magnetic stripe.

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5. The method according to Claim 1, wherein the array of image pixels comprises a series of consecutive and colinear image pixels.

6. The method according to Claim 1, wherein the token comprises a generally rectangular substrate.

7. The method according to Claim 1, wherein the token comprises at least one of an access card, credit card, debit card, identification card and smart card.

8. A method of regulating the use of a token, the token comprising at least one of an access card, credit card, debit card, identification card and smart card, and including at least a magnetic storage medium thereon, the method comprising:
- 5 enrolling an authorized token user by
 - capturing a first biometric image and
 - generating therefrom first digital pixel data
 - for a first array of image pixels,
 - 10 processing the first digital pixel data to
 - produce enrollment biometric data,
 - obtaining a first personal identification
 - number (PIN) from the authorized user, and
 - storing the enrollment biometric data and
 - 15 first PIN on the magnetic storage medium of the
 - token; and
 - verifying an identity of a token holder
 - presenting the token by
 - capturing a second biometric image and

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- 20 generating therefrom second digital pixel data
for a second array of image pixels,
capturing a second personal identification
number from the token holder,
processing the second digital pixel
25 data and the second PIN to produce verification
biometric data, and
comparing the verification biometric data
and second PIN with the enrollment biometric
data and first PIN stored on the magnetic
30 storage medium of the token to determine if the
token holder is the authorized token user.

9. The method according to Claim 8, wherein the
biometric information is based upon a fingerprint;
and wherein capturing the biometric images comprises
capturing the biometric images using a fingerprint
5 sensor.

10. The method according to Claim 8, wherein
obtaining the PIN comprises requesting an authorized
token user to provide the PIN.

11. The method according to Claim 10, wherein
verifying the PIN comprises:

reading the PIN from the magnetic storage
medium;

- 5 requesting a verification PIN from the token
holder; and

comparing the PIN read from the magnetic storage
medium with the verification PIN.

12. The method according to Claim 8, wherein the token comprises a card corresponding to the ANSI/ISO/IEC 7810 standard and the magnetic storage medium comprises a magnetic stripe having three
5 tracks in accordance with the ANSI/ISO/IEC 7810 standard; and wherein storing the enrollment biometric data and PIN comprises storing the enrollment biometric data and PIN on the third track of the magnetic stripe.

13. The method according to Claim 8, wherein the array of image pixels comprises a series of consecutive and colinear image pixels.

14. A system for regulating the use of a token, the token comprising at least one of an access card, credit card, debit card, identification card and smart card, and including at least a magnetic storage
5 medium thereon, the system comprising:

an authorized token user enrollment unit
including

a first biometric sensor device for
capturing a first biometric image and generating
10 therefrom first digital pixel data for a first array of image pixels,

a first image processor for processing
the first digital pixel data to produce
enrollment biometric data,

15 a personal identification number (PIN) unit
for obtaining a PIN from the authorized user,
and

a first magnetic storage medium

20 reader/writer for writing the enrollment
biometric data and the PIN on the
magnetic storage medium of the token;
at least one token holder verification unit for
verifying the identity of a token holder presenting
the token, and comprising

25 a second biometric sensor device for
capturing a second biometric image and
generating therefrom second digital pixel data
for a second array of image pixels,
a second image processor for processing
30 the second digital pixel data to produce
verification biometric data,
a second magnetic storage medium
reader for reading the enrollment
biometric data and the PIN from
35 the magnetic storage medium of the token,
a PIN verification unit for
verifying the PIN, and
a comparator for comparing the verification
biometric data produced by the second image
40 processor with the enrollment biometric
data stored on the magnetic storage medium of
the token to determine if the token holder is
the authorized token user.

15. The system according to Claim 14, wherein
the biometric information is based upon a
fingerprint; and wherein each of the biometric sensor
devices comprises a fingerprint sensor.

16. The system according to Claim 15, wherein the biometric sensor device further comprises a finger slide adjacent the fingerprint sensor.

17. The system according to Claim 16, wherein the finger slide further comprises finger guides and a finger stop.

20. The system according to Claim 16, wherein the PIN unit comprises an input device for entry of the PIN by the authorized user.

21. The system according to Claim 20, wherein the PIN verification unit comprises a second input device for entry of the verification PIN by the token holder.

22. The system according to Claim 14, wherein the token comprises a card corresponding to the ANSI/ISO/IEC 7810 standard and the magnetic storage medium comprises a magnetic stripe having three tracks in accordance with the ANSI/ISO/IEC 7810 standard; and wherein the first magnetic storage medium reader/writer writes the enrollment biometric data and PIN on the third track of the magnetic stripe.

23. The system according to Claim 14, wherein the array of image pixels comprises a series of consecutive and colinear image pixels.